

B. H. BROWNE, JR.

240 Sand Key Estates Drive, #68  
Clearwater, Florida 33767

Phone: (727) 593-3717

Fax: (727) 593-3605

e-mail: BernieByte@aol.com

Web Site: <http://members.aol.com/Berniebyte/bernieby.html>

August 30, 2000

U.S. Patent and Trademark Office  
Customer Service Center (new patent application)  
Crystal Plaza 2, Suite 1A031  
2011 South Clark Plaza  
Arlington, Virginia 22202

To Whom It May Concern:

Attached are the necessary documents for patenting my invention of the "Instant Musician, Recording Artist and Composer." Attached are:

- ☐ Postcard for return receipt of this submittal
- ☐ Inventor Information (1 page)
- ☐ Specification (7 pages)
- ☐ One claim and three dependent claims (1 page)
- ☐ Eleven drawings (11 pages)
- ☐ Declaration (PTO/SB/01 - 2 pages)
- ☐ Abstract of the disclosure (1 page)
- ☐ Fee transmittal form (PTO/SB/17 - 1 page) plus check for \$345.00
- ☐ Claim for small entity status - Independent inventor (PTO/SB/09 - 1 page)
- ☐ Claim for small entity status - Small business concern (PTO/SB/10 - 1 page)

We trust that the U.S. Patent and Trademark Office will quickly process this highly innovative invention that will benefit many people.

Thank you.

Sincerely,

  
Bernard H. Browne, Jr.

A

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28

TOTAL AMOUNT OF PAYMENT (\$ ) 345.00

## Complete if Known

Application Number  
Filing Date August 30, 2000  
First Named Inventor Bernard H. Browne, Jr.  
Examiner Name  
Group / Art Unit  
Attorney Docket No.

PTO  
09/655792

09/06/00

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to.

Deposit Account Number 2090002123472 (1st Union)

Deposit Account Name Bernard H. Browne, Jr.  
DBA Byte Masters International

☒ Charge Any Additional Fee Required  
Under 37 CFR §§ 1.16 and 1.17

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description        | Fee Paid |
|----------------------------|----------------------------|------------------------|----------|
| 101 690                    | 201 345                    | Utility filing fee     | \$345.00 |
| 106 310                    | 206 155                    | Design filing fee      |          |
| 107 480                    | 207 240                    | Plant filing fee       |          |
| 108 690                    | 208 345                    | Reissue filing fee     |          |
| 114 150                    | 214 75                     | Provisional filing fee |          |

SUBTOTAL (1) (\$ ) 345.00

### 2. EXTRA CLAIM FEES

|                    | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Total Claims       | 20**         |                |          |
| Independent Claims | 3**          |                |          |
| Multiple Dependent |              |                |          |

\*\*or number previously paid, if greater, For Reissues, see below

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  |
|----------------------------|----------------------------|--|
| 103 18                     | 203 9                      | Claims in excess of 20                                     |
| 102 78                     | 202 39                     | Independent claims in excess of 3                          |
| 104 260                    | 204 130                    | Multiple dependent claim, if not paid                      |
| 109 78                     | 209 39                     | ** Reissue independent claims over original patent         |
| 110 18                     | 210 9                      | ** Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ ) 0

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid |
|----------------------------|----------------------------|--|----------|
| 105 130                    | 205 65                     | Surcharge - late filing fee or oath  |          |
| 127 50                     | 227 25                     | Surcharge - late provisional filing fee or cover sheet                     |          |
| 139 130                    | 139 130                    | Non-English specification  |          |
| 147 2,520                  | 147 2,520                  | For filing a request for reexamination                                     |          |
| 112 920*                   | 112 920*                   | Requesting publication of SIR prior to Examiner action                     |          |
| 113 1,840*                 | 113 1,840*                 | Requesting publication of SIR after Examiner action                        |          |
| 115 110                    | 215 55                     | Extension for reply within first month                                     |          |
| 116 380                    | 216 190                    | Extension for reply within second month                                    |          |
| 117 870                    | 217 435                    | Extension for reply within third month                                     |          |
| 118 1,360                  | 218 680                    | Extension for reply within fourth month                                    |          |
| 128 1,850                  | 228 925                    | Extension for reply within fifth month                                     |          |
| 119 300                    | 219 150                    | Notice of Appeal   |          |
| 120 300                    | 220 150                    | Filing a brief in support of an appeal                                     |          |
| 121 260                    | 221 130                    | Request for oral hearing   |          |
| 138 1,510                  | 138 1,510                  | Petition to institute a public use proceeding                              |          |
| 140 110                    | 240 55                     | Petition to revive - unavoidable   |          |
| 141 1,210                  | 241 605                    | Petition to revive - unintentional   |          |
| 142 1,210                  | 242 605                    | Utility issue fee (or reissue)   |          |
| 143 430                    | 243 215                    | Design issue fee   |          |
| 144 580                    | 244 290                    | Plant issue fee  |          |
| 122 130                    | 122 130                    | Petitions to the Commissioner  |          |
| 123 50                     | 123 50                     | Petitions related to provisional applications                              |          |
| 126 240                    | 126 240                    | Submission of Information Disclosure Stmt                                  |          |
| 581 40                     | 581 40                     | Recording each patent assignment per property (times number of properties) |          |
| 146 690                    | 246 345                    | Filing a submission after final rejection (37 CFR § 1.129(a))              |          |
| 149 690                    | 249 345                    | For each additional invention to be examined (37 CFR § 1.129(b))           |          |
| Other fee (specify)        |                            |  |          |
| Other fee (specify)        |                            |  |          |

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ ) 0

## SUBMITTED BY

Name (Print/Type) Bernard H. Browne, Jr. Registration No. (Attorney/Agent) Telephone 727-593-3717  
Signature Date August 30, 2000

## WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO Assistant Commissioner for Patents, Washington, DC 20231.

**STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(b))--INDEPENDENT INVENTOR**

Docket Number (Optional)

Applicant, Patentee, or Identifier: Bernard H. Browne, Jr.

Application or Patent No.: Application for patent

Filed or Issued: Filed (mailed) on August 30, 2000

Title: Instant Musician, Recording Artist and Composer

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

- ☐ the specification filed herewith with title as listed above  
☐ the application identified above  
☒ the patent identified above

I have not assigned, granted, conveyed, or licensed, and am under no obligation under contract or law to assign, grant, convey, or license, any rights in the invention to any person who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern, or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

- ☒ No such person, concern, or organization exists.  
☐ Each such person, concern, or organization is listed below.

Separate statements are required from each named person, concern, or organization having rights to the invention stating their status as small entities. (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

Bernard H. Browne, Jr.

NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

Bernard H. Browne, Jr.  
Signature of inventor

Signature of inventor

Signature of inventor

August 30, 2000

Date

Date

Date

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(c))--SMALL BUSINESS CONCERN**

Docket Number (Optional)

Applicant, Patentee, or Identifier: Bernard H. Browne, Jr.

Application or Patent No.: Application for Patent

Filed or Issued: Filed (mailed) on August 30, 2000

Title: Instant Musician, Recording Artist and Composer

I hereby state that I am

- ☒ the owner of the small business concern identified below:  
☐ an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF SMALL BUSINESS CONCERN Byte Masters International

ADDRESS OF SMALL BUSINESS CONCERN P.O. Box 3805  
Clearwater, Florida 33767

I hereby state that the above identified small business concern qualifies as a small business concern as defined in 13 CFR Part 121 for purposes of paying reduced fees to the United States Patent and Trademark Office. Questions related to size standards for a small business concern may be directed to: Small Business Administration, Size Standards Staff, 409 Third Street, SW, Washington, DC 20416

I hereby state that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention described in:

- ☐ the specification filed herewith with title as listed above  
☒ the application identified above  
☐ the patent identified above

If the rights held by the above identified small business concern are not exclusive, each individual, concern, or organization having rights in the invention must file separate statements as to their status as small entities, and no rights to the invention are held by any person, other than the inventor, who would not qualify as an independent inventor under 37 CFR 1.9(c) if that person made the invention, or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d), or a nonprofit organization under 37 CFR 1.9(e).

- Each person, concern, or organization having any rights in the invention is listed below:  
☒ no such person, concern, or organization exists.  
☐ each such person, concern, or organization is listed below

Separate statements are required from each named person, concern or organization having rights to the invention stating their status as small entities (37 CFR 1.27)

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

NAME OF PERSON SIGNING Bernard H. Browne, Jr.

TITLE OF PERSON IF OTHER THAN OWNER \_\_\_\_\_

ADDRESS OF PERSON SIGNING 240 Sand Key Estates Drive #68; Clearwater, Florida 33767

SIGNATURE  DATE August 30, 2000

# SPECIFICATION

## TITLE OF INVENTION

Instant Musician, Recording Artist and Composer

## CROSS-REFERENCE TO RELATED APPLICATIONS

Not Applicable

## STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

Not Applicable

## REFERENCE TO A MICROFICHE APPENDIX

Not Applicable

## BACKGROUND OF THE INVENTION

This invention pertains to the field of music making a breakthrough for computer or Internet users to instantly use their computer keyboard skills to become “instant musicians, recording artists and composers.”

Previously, to play a particular instrument, the potential musician had to physically have that particular instrument. In addition, the potential musician had to be able to read sheet music and relate the music notes on that sheet music to the particular keys, strings or particular tone/sound creating physical activity associated with that particular instrument. Now, with this invention, all a potential musician has to do is: 1) select an instrument from a choice of many on a computer screen, and 2) type the letters appearing on the screen. No background in traditional music education is required to play any instrument the users selects. All the user is required to do is enter the keystrokes shown on the screen to play the particular instrument chosen. This invention eliminates the chore of learning how to play various musical instruments and the chore of learning how to read sheet music for those particular instruments. This powerful “instant musician” feature also speeds the learning process of learning to play musical instruments in a traditional sense because of the direct correlation between notes shown on the screen and the physical location of those notes on the particular instrument of choice.

If desired, the typical computer/Internet user may also become a recording artist for the musical material that is played by him or her. The user may simply elect to record the sounds of each instrument selected for a particular musical number. After the sounds of several instruments (and/or voices) have been stored in the computer’s memory, they may be synchronously combined at

various selected levels by the user to create the unique sound of many instruments (and people) rendering the particular music piece or song. The sound spectrum of individual instruments may also be altered simply by bending the shape of the normal unaltered spectrum with the movement of a mouse. This invention allows a person with no particular music skills to record music numbers consisting of many different instruments as well as voices into a single music number which may be recorded (computer's drive(s), and/or CDs and/or other recording media) and replayed. With this invention, a single person may create the sounds of a single instrument or a whole orchestra complete with a vocal artist(s).

A third aspect of this invention is that of allowing a person without any musical knowledge (or computer skills) to compose musical numbers of their own. By simply clicking a mouse, or keyboard arrows, they can create sheet music instantly along with the associated sounds! This makes them an "instant composer" of music even though they have never played a real instrument or can't even read conventional sheet music.

## BRIEF SUMMARY OF THE INVENTION

The "Instant Musician, Recording Artist and Composer" are just that — a novice computer or Internet user becomes instantly capable of playing a computerized equivalent of any musical instrument, instantly capable of recording singular or combined musical pieces played on the computer (including voice) as well as having the ability to compose music pieces by simply clicking a mouse! No prior music ability or background is required to be either a "computer musician," "computer recording artist," and/or a composer of music on a computer. The on-screen visual displays also teaches the conventional manner playing of any musical instrument without actually having physical access to the physical instrument of choice.

## BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

Drawing 1: This drawing shows the computer welcoming screen on a computer after the *Instant Musician, Recording Artist and Composer* software is loaded into the computer and started. The welcoming screen explains to the user that: a) he or she may play any instrument of their choice like a professional without any previous musical training or background, b) that he or she may play

several instruments (and voices, one at a time), and combine the individual efforts into a single “group recording,” and/or create his or her own musical masterpieces by just “clicking a mouse.” The welcoming screen on drawing 1 also shows the main menu bar depicting the manner in which the computer user may switch between the principal three different modes of operation and control various aspects of the operation in each mode (musician, recording artist or composer).

Drawing 2: This drawing shows the “Instrument/Song” computer screen where the computer user chooses the particular instrument he or she wishes to “play” as well as the particular “song” or musical number he or she wishes to play. Only some of the instruments available and songs available are depicted on the computer screen list boxes.

Drawing 3: Preferences of the user are shown on this computer screen drawing. These include: a) whether the user wishes song words displayed on the screen, b) whether a background “beat instrument” is desired, c) what choice of beat instrument is desired (if any), d) whether the user wishes the particular effort to be recorded as it is played and e) whether the user wishes the sheet music display on the screen (along with the associated computer keystrokes) should move as the effort progresses, or whether used portions of the music guide should simply be periodically replaced as sections are used.

Drawing 4: This drawing depicts the screen display used when playing a selected song with the instrument of choice. Key to this ease of use here is the highlighting of the keyboard key to type which “plays” the musical note also shaded. There is also a shaded word to “sing” if the user has elected to additionally have the song words depicted on the screen as well. A speed control is also present on the screen so the user may “play” his or her chosen instrument at typically normal playing speeds or faster or slower.

Drawing 5: The screen depicted on this drawing allows the user control over playing back music previously played — assuming the user had previously recorded one or more numbers. Normal music listening controls are provided, such as volume and balance, as well as a control over the speed that the recording is played back.

Drawing 6: This screen shown allows the computer user to become a recording artist by

mixing and blending previously recorded music numbers. These numbers to be blended may be individual instruments played or composite music numbers consisting of several instruments (and voice) previously recorded. The user may select automatic synchronization, if desired, that causes each of the selected previously recorded music piece selections to be automatically accurately blended relative to individual notes. The spectral content of each recording combined may be individually altered by modifying the baseline uniform spectrum with a touch of the mouse.

Drawing 7: This drawing shows the “instant composer” screen. It allows the user to compose music from scratch by simply clicking a mouse or other computer screen navigation device on the blank sheet music depicted. As a physical location on the sheet music is noted by a click of a mouse (or multiple clicks for designating what kind of notes — 1/4 note, 1/2 note, etc.) the appropriate note entered appears on the sheet music depiction and the particular note entered “sounds” from the computer’s speakers using the particular instrument last selected (default instrument is a piano). “Play Back” controls allow the music notes inputted to be played back so the “composer” may alter particular music notes previously entered, if desired. An option also exists for entering song words as the music piece is being composed, and controls are provided for noting the end of a composing effort as well as a control to allow saving the effort that has been composed at the particular time.

Drawing 8: This is the main functional block diagram drawing revealing how the system operates. The computer user first loads a CD-ROM disk into the computer that contains sample musical notes from a variety of musical instruments. The CD-ROM disk also contains the sheet music of a number of musical numbers along with the translation of the appropriate musical notes into keyboard keys. These keys include the normal alphabet keys plus control keys and function keys for easily added special effects. Sample musical sounds of additional instruments and additional sheet music to keyboard translations of more songs may be obtained from additional CD-ROM disks produced by the company with the patent rights, or downloaded from the company’s Internet site for an appropriate fee.

Along with the CD-ROM reading device, the functional block diagram shows the use of the computer’s speakers, keyboard and display for producing the sounds, accepting the user’s keyboard input and displaying the keys to “type” to produce the appropriate sounds, respectively. The functional block diagram is simplified with respect to the actual number of instruments that may be



played and simplified with respect to the system controls that have been illustrated on the screen displays.

Drawing 9: Drawing nine shows one method of generating the CD-ROM disks that contain sound samples from a range of instruments plus the keyboard keys to be depressed to produce the appropriate sounds corresponding to a particular music number selected.

The database of sound samples from various instruments is created by recording short sound samples from actual instruments for the range of their normal operation. Analysis of the sound spectrums of classical instruments by the company with the patent also allows the creation of new synthetic instrument sounds which we call cybersyn instruments.

A scanner is shown for the purpose of inputting sheet music into a computer along with software that automatically recognizes the notes of a particular piece. After the particular notes of a music number are inputted, they are transformed by an algorithm into computer keyboard keys.

Drawing 10: This drawing shows the major display drivers for the computer. Shown are the inputs from the user for controlling: song selection, instrument selection, display attributes, music display (and play) speed, beat presence and music number mixing controls.

Drawing 11: Shown on this drawing is the manner in which sounds are created by the user. When a particular key is depressed, it causes the computer's speakers to play the particular musical note corresponding to the transformed sheet music note as if an actual instrument of the type selected had been played. The sounds, of course, are different for each instrument selected.

## DETAILED DESCRIPTION OF THE INVENTION

This invention allows all ordinary computer users, including children, to become instant musicians using any musical instrument of their choice (all instruments) as well as recording their own musical numbers involving many different instruments (and voices), if desired, as well as the ability to compose new musical numbers of their own.

Instant Musician: This aspect of the invention includes algorithms that relate computer keyboard keys to stored music musical instrument sounds for the selected musical instrument, and

the keyboard keys to be “played” for a selected musical number are displayed on the computer screen. This allows ordinary computer users with no musical training whatsoever to immediately start playing any musical piece using any selected instrument of their choice! After selecting the musical instrument and music piece, all the user has to do is type the keyboard letters appearing on the screen. Each different letter typed on the computer’s keyboard creates a sound on the computer’s speakers matching the exact sound of the note played for the particular instrument chosen. The data bank of recorded instrument sounds that the user can select from is extensive and can even contain newly synthesized instruments (cybersyn instruments). An optional background music beat may be chosen as well as a display of words corresponding to the musical number if the user wishes to sing along as well. While the process of typing the sheet music notes displayed via keyboard keys in itself is additionally a teaching aid for that of playing classical instruments, another user option is that of displaying the instrument of choice depicted on the screen showing the proper keys, strings, etc. to be manipulated to produce the particular highlighted note.

Instant Recording Artist: Musical numbers played by computer users with particular chosen instrument sounds may be recorded upon option for future play backs and then may be combined with previously recorded efforts on the same music number using other instruments as well as voice recordings. The combined musical pieces are kept in perfect sync using a digital timing bit stored with each number’s recorded note. This ability to digitally combine previously recorded sessions with controls on volume and balance creates the recording artist aspect of this invention since a single user with no musical experience whatsoever can easily create complex recorded music numbers of his own making and cut CDs of these mixed instrument/voice recordings.

Instant Composer: This aspect of the invention allows any computer user to create his or her musical numbers by simply clicking a mouse on blank sheet displayed on the screen. Appropriate musical instrument sounds occur for the selected musical instrument at the time the sheet music is clicked so that the “composer” may instantly hear the results of his or her music creations as they are being composed. Both the sounds and the filled in sheet music are stored as creative efforts are in progress so that the “composer” will be able to immediately play back partially completed or fully completed works and modify any portion by overriding mouse clicks. Upon completion, newly stored composed numbers may have their corresponding sheet music printed out complete with

appropriate vocal responses (words or sounds to be sung or emitted by humans). Newly composed music numbers, after they are completed, may be played back by the user using any choice of musical instruments and then recorded as desired. In other words, newly composed music numbers by the computer user may be processed via the “recording artist” aspect of this invention to create multiple instrument/voice recordings of the new music work created.

# CLAIMS

1. What I claim for my invention are the computer related mechanisms to make ordinary computer users instant musicians for any instrument of their choice.

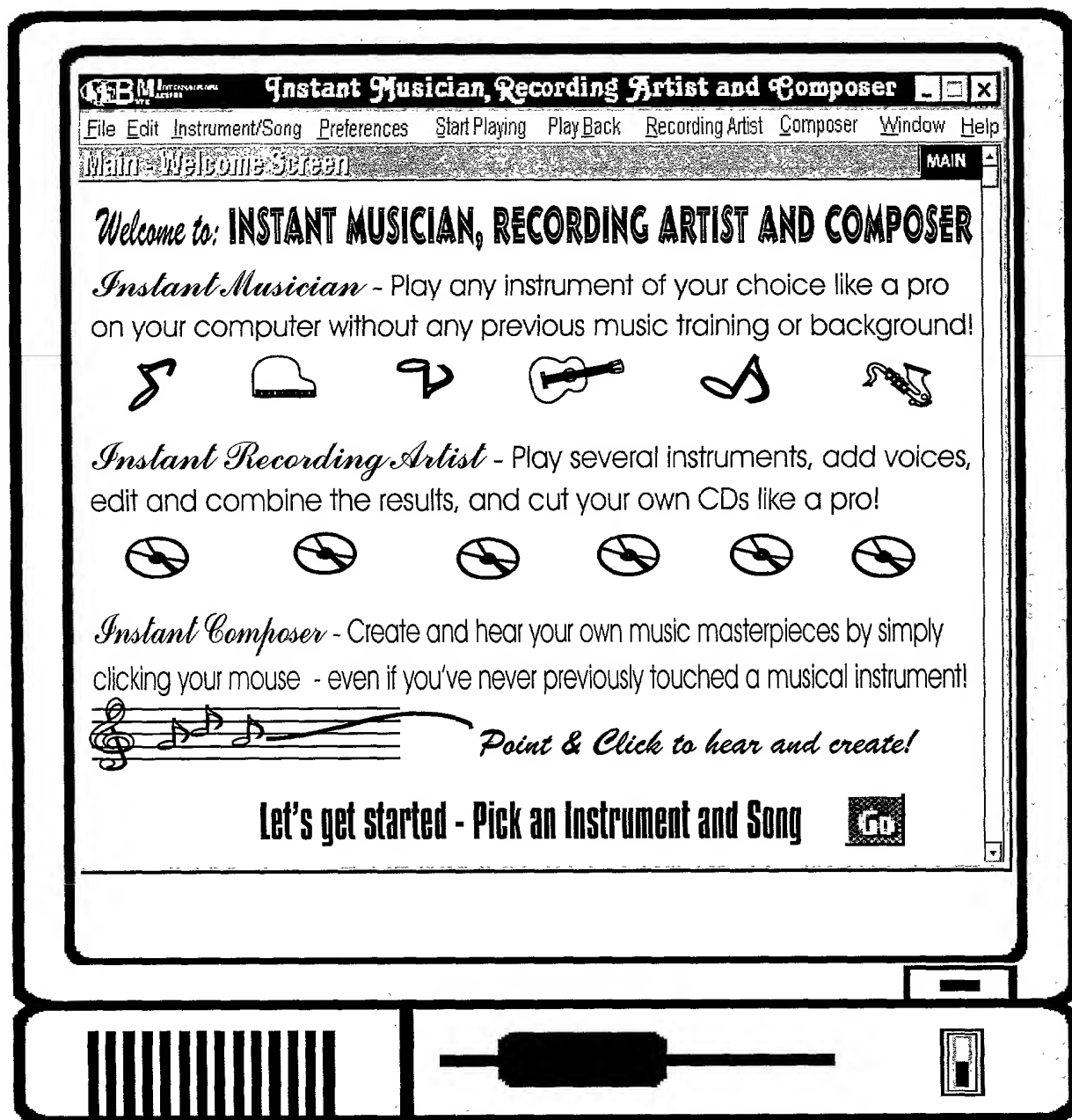
1.a A dependent claim for this invention is that it allows ordinary computer users to become instant music recording artists.

1.b Another dependent claim is that this invention allows ordinary computer users to become instant music composers.

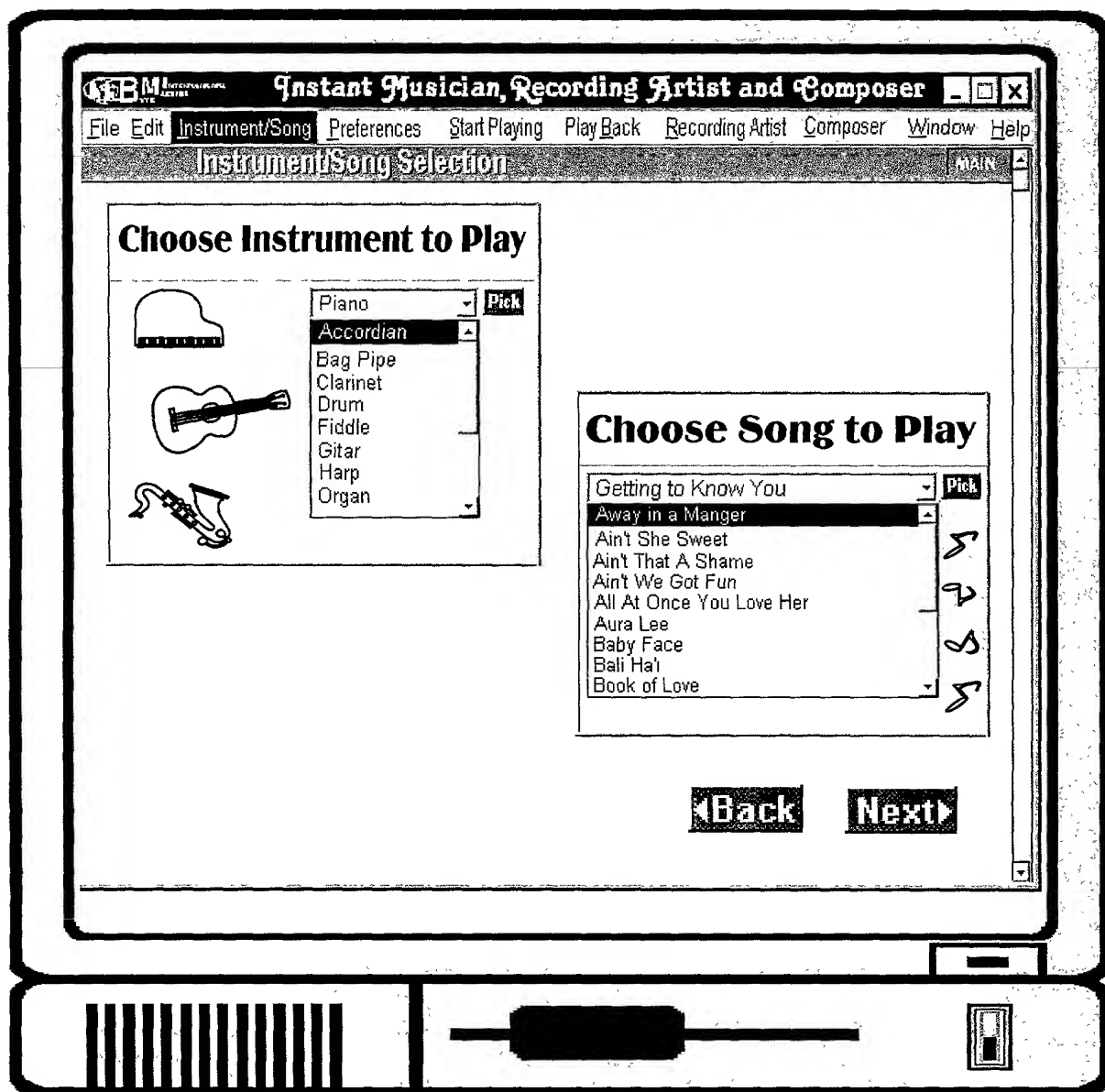
1.c A final dependent claim is that this invention is an easy to use computer-based teaching aid for the use of any classical instruments.

[illegible][illegible]

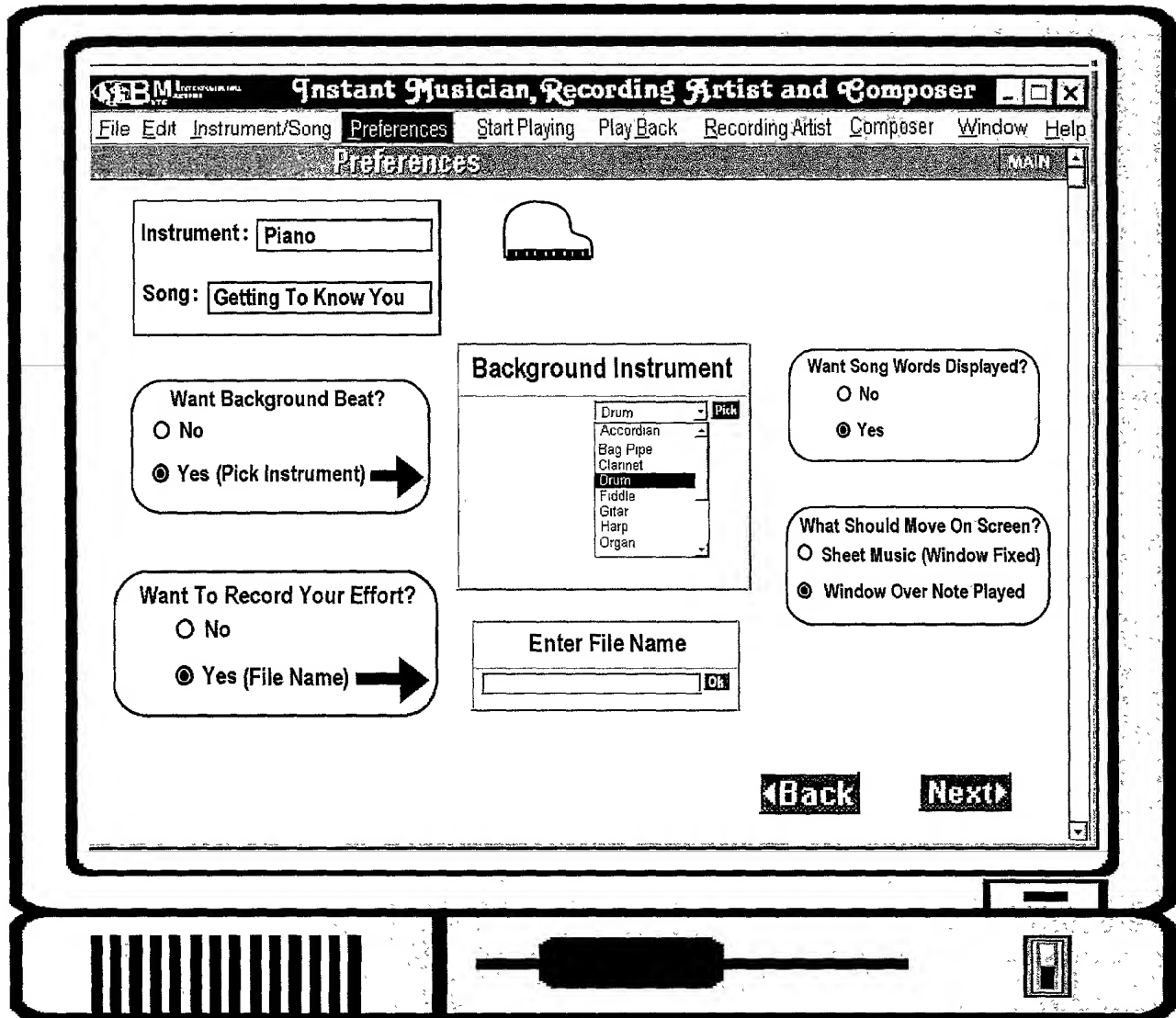
# Drawing 1/11



## Drawing 2/11

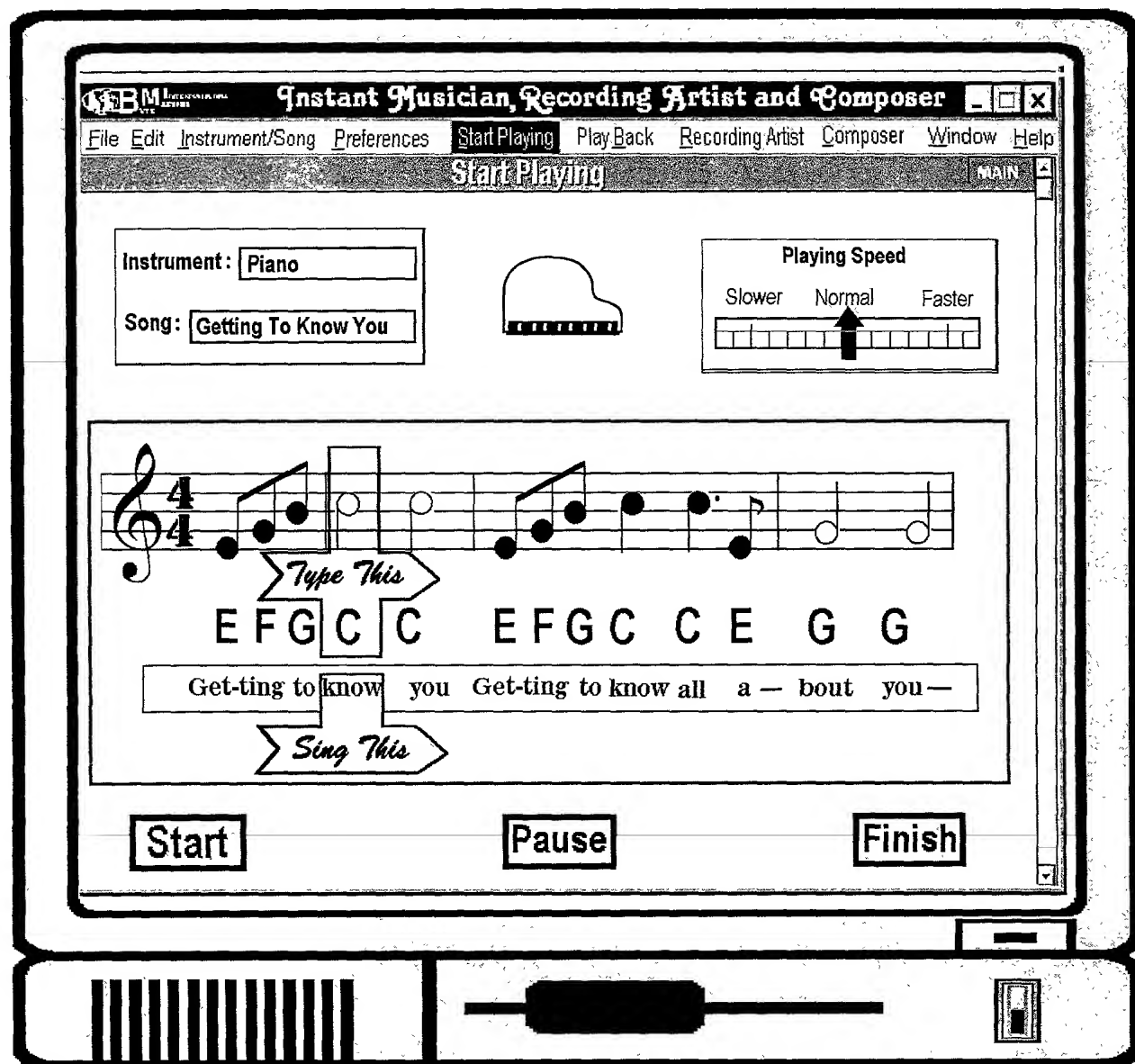


# Drawing 3/11

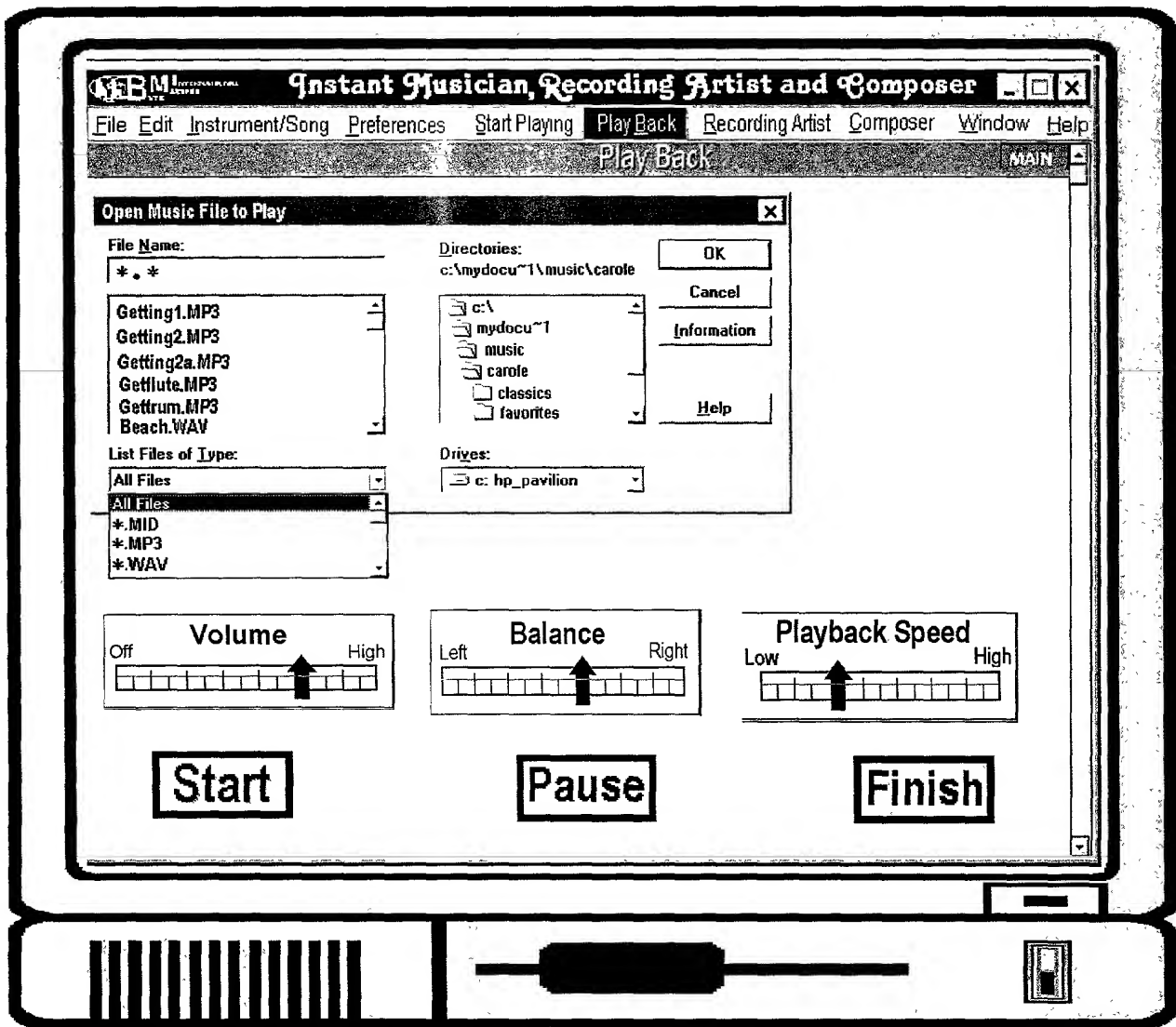




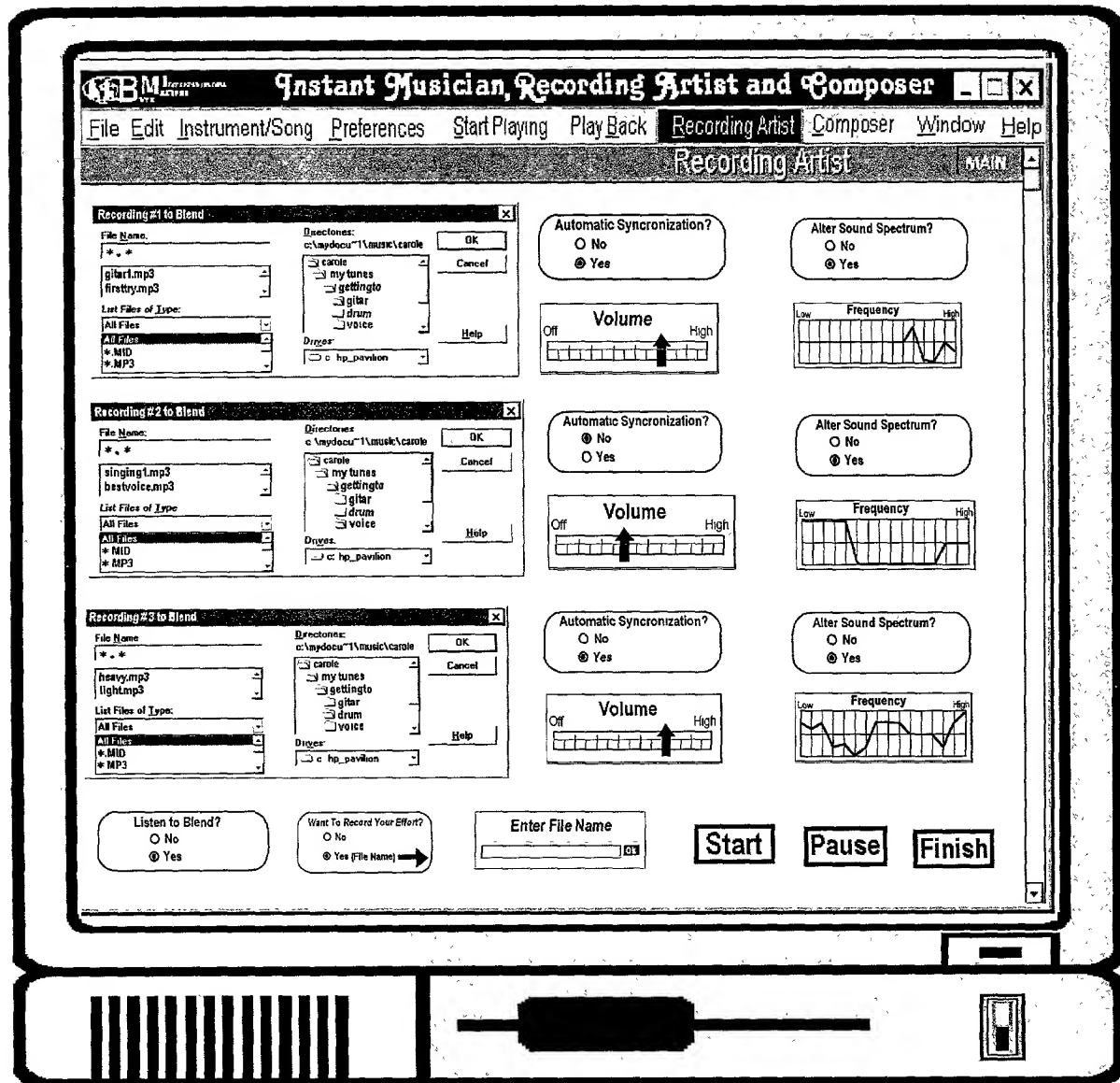
# Drawing 4/11



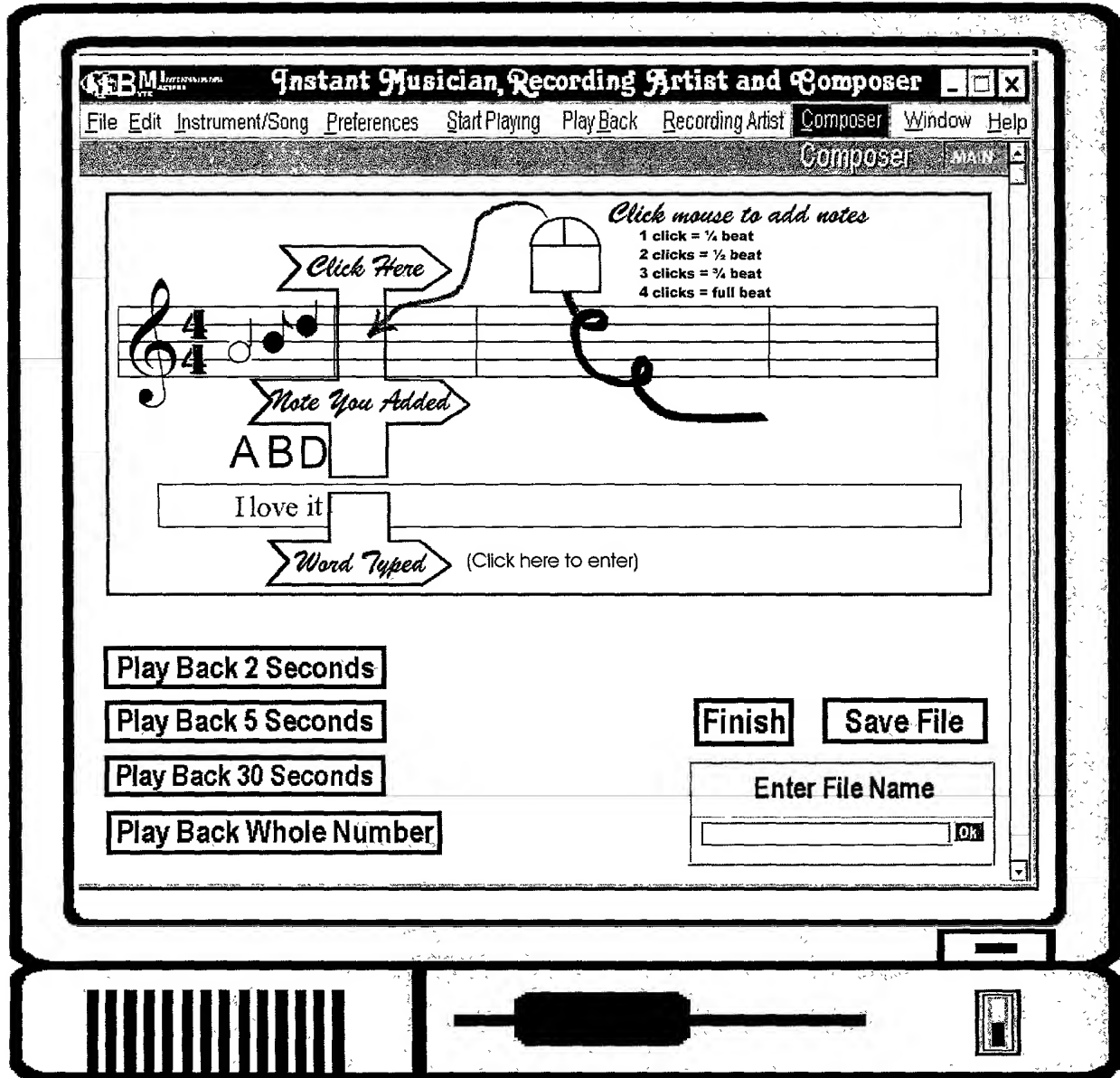
# Drawing 5/11



# Drawing 6/11



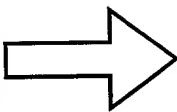
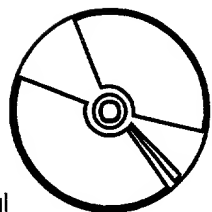
## Drawing 7/11



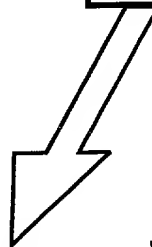


## Drawing 8/11

CD-ROM disk with:  
a) music notes coded  
into keyboard key  
symbols for songs  
and b) sample note  
sounds for many musical  
instruments.



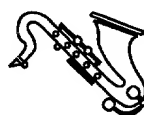
PC CD-ROM  
reader



Personal Computer (PC)

Software converting keyboard input  
to  
music sounds of selected instrument

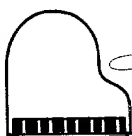
PC  
Speakers



or/and



or/and



Keyed in notes of selected  
instrument either alone or  
combined with previously  
saved recording(s)

Typed input  
matching screen  
symbols displayed  
for music generation

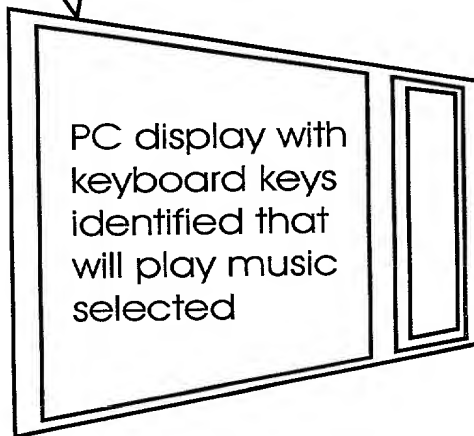
Setup:  
a) Song (music selection)  
b) Instrument selection  
c) Recording/composing controls

PC Keyboard

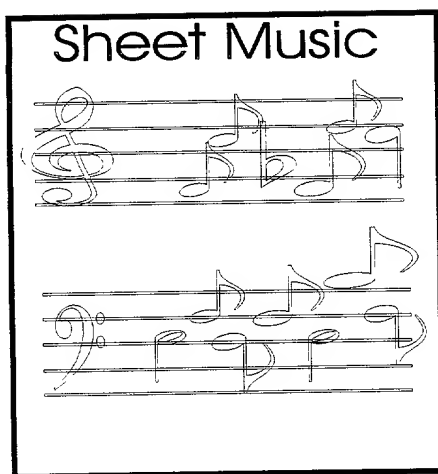
User types  
letters appearing  
on screen to  
create music  
of selected  
instrument



PC display with  
keyboard keys  
identified that  
will play music  
selected



**Drawing 9/11**



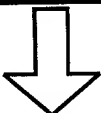
Scanner



Music note  
recognition  
software

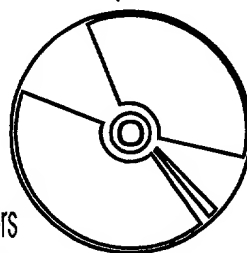
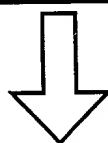


Music note to  
keyboard keys  
transformation  
software



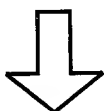
Keyboard letters  
that play instrument  
musical notes

CD-ROM  
disk writing  
software

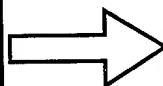


CD-ROM disk with:  
a) music notes coded  
into keyboard symbols  
for songs and b) note  
sounds for many musical  
instruments

Sound bytes for notes  
of each instrument



Database of  
recorded notes  
for instruments  
available for  
selection by user.

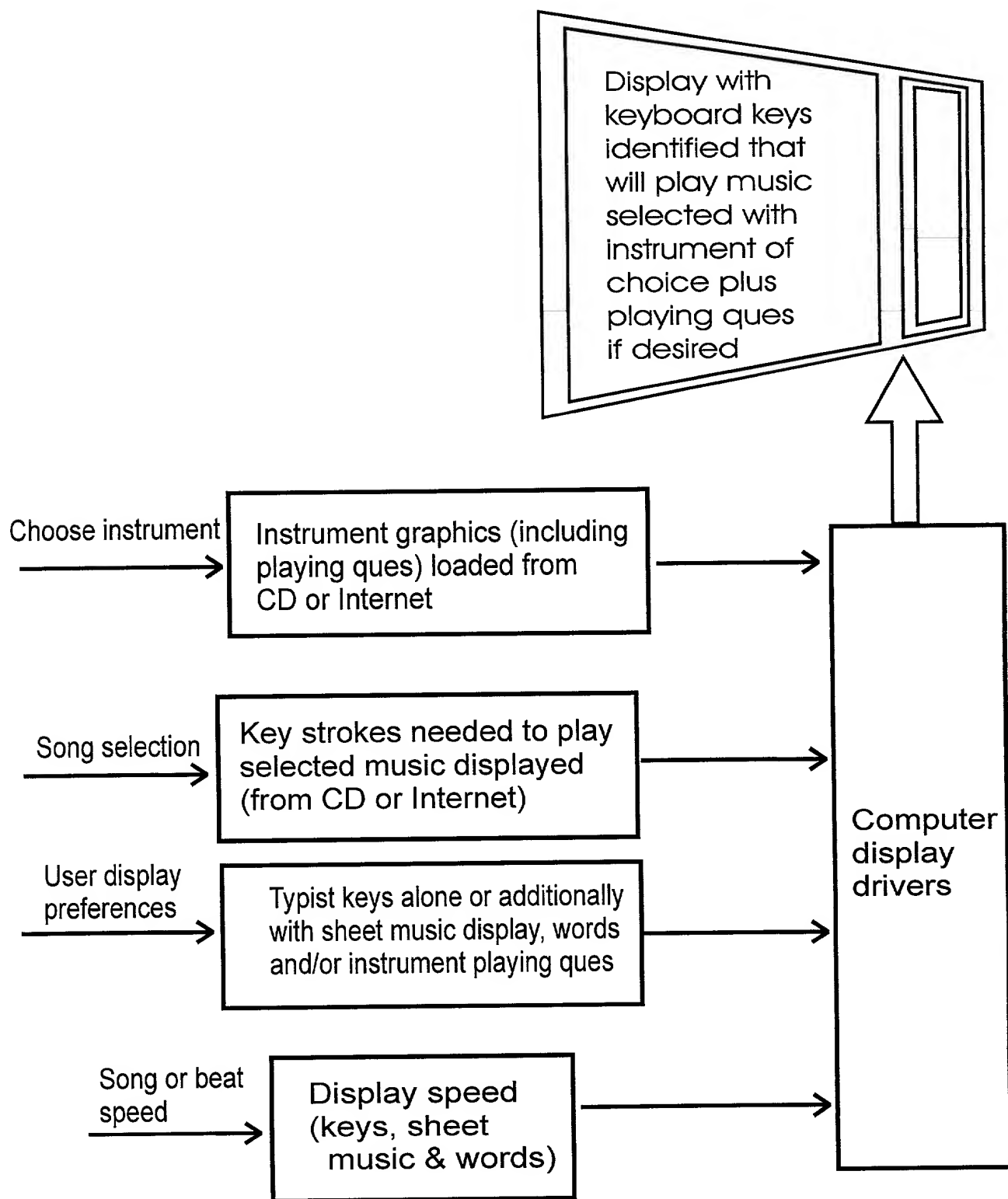


**Note:** Keyboard keys that play musical numbers  
and instrument sounds may also be downloaded  
from the inventor's Web site.

any one of the following steps may be performed in any order or combination of steps.

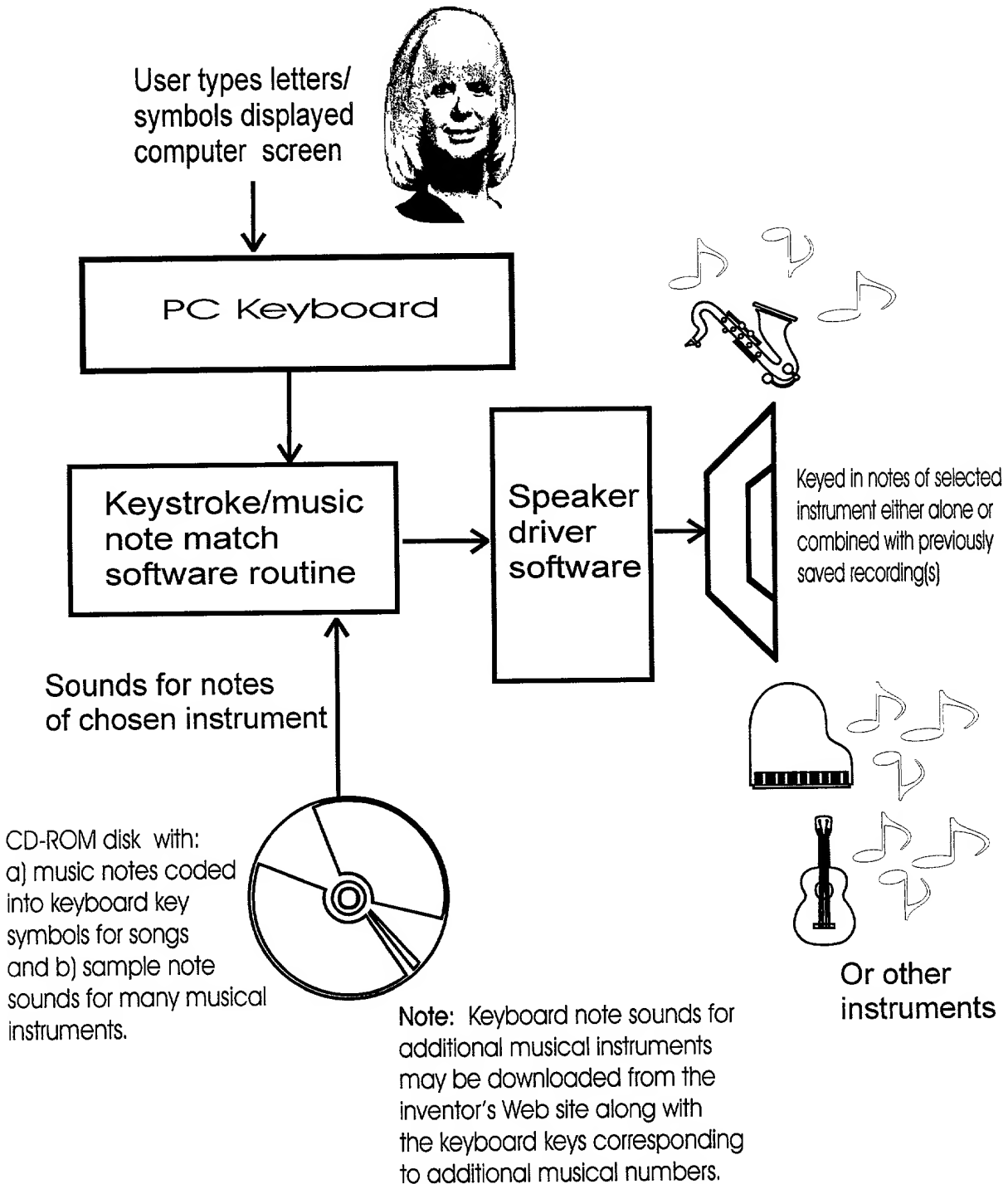
+

## Drawing 10/11



+

## Drawing 11/11





Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)  
Approved for use through 9/30/00. OMB 0651-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

+

|   |                               |                        |
|---|-------------------------------|------------------------|
| <b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION</b><br><b>(37 CFR 1.63)</b><br><br><input checked="" type="checkbox"/> Declaration Submitted with Initial Filing <b>OR</b> <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required) | <b>Attorney Docket Number</b> |                        |
|   | <b>First Named Inventor</b>   | Bernard H. Browne, Jr. |
|   | <b>COMPLETE IF KNOWN</b>      |                        |
|   | <b>Application Number</b>     | /                      |
|   | <b>Filing Date</b>            | 8/30/2000              |
|   | <b>Group Art Unit</b>         |                        |
|   | <b>Examiner Name</b>          |                        |

**As a below named inventor, I hereby declare that:**

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Instant Musician, Recording Artist and Composer**

the specification of which (Title of the Invention)  
☒ is attached hereto  
**OR**  
☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

| Prior Foreign Application Number(s) | Country | Foreign Filing Date (MM/DD/YYYY) | Priority Not Claimed     | Certified Copy Attached? |                          |
|-------------------------------------|---------|----------------------------------|--------------------------|--------------------------|--------------------------|
|                                     |         |                                  |                          | YES                      | NO                       |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                                     |         |                                  | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

| Application Number(s) | Filing Date (MM/DD/YYYY) |
|-----------------------|--------------------------|
|                       |                          |

☐ Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

+

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)  
Approved for use through 9/30/00. OMB 0651-0032  
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

| U.S. Parent Application or PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (if applicable) |
|--|---------------------------------|--------------------------------------|
|  |                                 |                                      |

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☐ Registered practitioner(s) name/registration number listed below

Place Customer  
Number Bar Code  
Label here

| Name | Registration Number | Name | Registration Number |
|------|---------------------|------|---------------------|
|      |                     |      |                     |

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☐ Customer Number or Bar Code Label ☒ Correspondence address below


|         |                                |           |              |     |              |
|---------|--------------------------------|-----------|--------------|-----|--------------|
| Name    | Bernard H. Browne, Jr.         |           |              |     |              |
| Address | 240 Sand Key Estates Drive #68 |           |              |     |              |
| Address |                                |           |              |     |              |
| City    | Clearwater                     | State     | FL           | ZIP | 33767-2932   |
| Country | US                             | Telephone | 727-593-3717 | Fax | 727-593-3605 |

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:

☐ A petition has been filed for this unsigned inventor

| Given Name (first and middle (if any)) | Family Name or Surname |
|--|------------------------|
| Bernard H.                             | Browne, Jr.            |

|                      |   |       |    |         |            |
|----------------------|---|-------|----|---------|------------|
| Inventor's Signature |  |       |    | Date    | 8/30/2000  |
| Residence: City      | Clearwater  | State | FL | Country | US         |
| Post Office Address  | 240 Sand Key Estates Drive #68  |       |    |         |            |
| Post Office Address  |   |       |    |         |            |
| City                 | Clearwater  | State | FL | ZIP     | 33767-2932 |
| Country              | US  |       |    |         |            |

☐ Additional inventors are being named on the supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto